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U.S. PATENT DOCUMENTS

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## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATION

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## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

$\alpha$	A.R	Allen et al., A new strategy for attachment of antibodies to sterically stabilized liposomes resulting
2	$\sqrt{}$	Allen et al., A new strategy for attachment of antibodies to sterically stabilized liposomes resulting in efficient targeting to cancer cells, Biochimica et Biophysica Acta, Vol. 1237, 1995, pp. 99-108
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Andreoni et al., <u>Tumour photosensitization by chemotherapeutic drugs</u>, Biologia, Vol. 3, 1993, pp. 43-46

Babich et al., <u>Technetium-99m-Labeled Chemotactic Peptides: Comparison with Indium-111-</u> Labeled White Blood Cells for Localizing Acute Bacterial Infection in the Rabbit, The Journal of Nuclear Medicine, Vol. 34, No. 12, December 1993, pp. 2176-2181

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